NATIONAL CERTIFICATES (VOCATIONAL)

ASSESSMENT GUIDELINES

PLANT PRODUCTION
NQF LEVEL 2

September 2007
CONTENTS

SECTION A: PURPOSE OF THE SUBJECT ASSESSMENT GUIDELINES

SECTION B: ASSESSMENT IN THE NATIONAL CERTIFICATES (VOCATIONAL)

1 Assessment in the National Certificates (Vocational)
2 Assessment framework for vocational qualifications
   2.1 Internal continuous assessment (ICASS)
   2.2 External summative assessment (ESASS)
3 Moderation of assessment
   3.1 Internal moderation
   3.2 External moderation
4 Period of validity of internal continuous assessment (ICASS)
5 Assessor requirements
6 Types of assessment
   6.1 Baseline assessment
   6.2 Diagnostic assessment
   6.3 Formative assessment
   6.4 Summative assessment
7 Planning assessment
   7.1 Collecting evidence
   7.2 Recording
   7.3 Reporting
8 Methods of assessment
9 Instruments and tools for collecting evidence
10 Tools for assessing student performance
11 Selecting and/or designing recording and reporting systems
12 Competence descriptions
13 Strategies for collecting evidence
   13.1 Record sheets
   13.2 Checklists

SECTION C: ASSESSMENT IN PLANT PRODUCTION

1 Schedule of assessment
2 Recording and reporting
3 Internal assessment of Subject Outcomes in Plant Production – Level 2
4 Specifications for the external assessment in Plant Production – Level 2
   4.1 Integrated summative assessment task (ISAT)
   4.2 National examination
SECTION A: PURPOSE OF THE SUBJECT ASSESSMENT GUIDELINES

This document provides the lecturer with guidelines to develop and implement a coherent, integrated assessment system for Plant Production and Advanced Plant Production in the National Certificates (Vocational). It must be read with the National Policy Regarding Further Education and Training Programmes: Approval of the Documents, Policy for the National Certificates (Vocational) Qualifications at Levels 2 to 4 on the National Qualifications Framework (NQF). This assessment guideline will be used for National Qualifications Framework Levels 2-4.

This document explains the requirements for the internal and external subject assessment. The lecturer must use this document with the Subject Guidelines: Plant Production and Advanced Plant Production to prepare for and deliver Plant Production and Advanced Plant Production. Lecturers should use a variety of resources and apply a range of assessment skills in the setting, marking and recording of assessment tasks.

SECTION B: ASSESSMENT IN THE NATIONAL CERTIFICATES (VOCATIONAL)

1 ASSESSMENT IN THE NATIONAL CERTIFICATES (VOCATIONAL)

Assessment in the National Certificates (Vocational) is underpinned by the objectives of the National Qualifications Framework (NQF). These objectives are to:

- Create an integrated national framework for learning achievements.
- Facilitate access to and progression within education, training and career paths.
- Enhance the quality of education and training.
- Redress unfair discrimination and past imbalances and thereby accelerate employment opportunities.
- Contribute to the holistic development of the student by addressing:
  - social adjustment and responsibility;
  - moral accountability and ethical work orientation;
  - economic participation; and
  - nation-building.

The principles that drive these objectives are:

- **Integration**
  To adopt a unified approach to education and training that will strengthen the human resources development capacity of the nation.

- **Relevance**
  To be dynamic and responsive to national development needs.

- **Credibility**
  To demonstrate national and international value and recognition of qualification and acquired competencies and skills.

- **Coherence**
  To work within a consistent framework of principles and certification.

- **Flexibility**
  To allow for creativity and resourcefulness when achieving Learning Outcomes, to cater for different learning styles and use a range of assessment methods, instruments and techniques.

- **Participation**
  To enable stakeholders to participate in setting standards and co-ordinating the achievement of the qualification.

- **Access**
  To address barriers to learning at each level to facilitate students’ progress.
• **Progression**
  To ensure that the qualification framework permits individuals to move through the levels of the national qualification via different, appropriate combinations of the components of the delivery system.

• **Portability**
  To enable students to transfer credits of qualifications from one learning institution and/or employer to another institution or employer.

• **Articulation**
  To allow for vertical and horizontal mobility in the education system when accredited pre-requisites have been successfully completed.

• **Recognition of Prior Learning**
  To grant credits for a unit of learning following an assessment or if a student possesses the capabilities specified in the outcomes statement.

• **Validity of assessments**
  To ensure assessment covers a broad range of knowledge, skills, values and attitudes (SKVAs) needed to demonstrate applied competency. This is achieved through:
  - clearly stating the outcome to be assessed;
  - selecting the appropriate or suitable evidence;
  - matching the evidence with a compatible or appropriate method of assessment; and
  - selecting and constructing an instrument(s) of assessment.

• **Reliability**
  To assure assessment practices are consistent so that the same result or judgment is arrived at if the assessment is replicated in the same context. This demands consistency in the interpretation of evidence; therefore, careful monitoring of assessment is vital.

• **Fairness and transparency**
  To verify that no assessment process or method(s) hinders or unfairly advantages any student. The following could constitute unfairness in assessment:
  - Inequality of opportunities, resources or teaching and learning approaches
  - Bias based on ethnicity, race, gender, age, disability or social class
  - Lack of clarity regarding Learning Outcome being assessed
  - Comparison of students' work with other students, based on learning styles and language

• **Practicability and cost-effectiveness**
  To integrate assessment practices within an outcomes-based education and training system and strive for cost and time-effective assessment.

2 ASSESSMENT FRAMEWORK FOR VOCATIONAL QUALIFICATIONS

The assessment structure for the National Certificates (Vocational) qualification is as follows:

2.1 **Internal continuous assessment (ICASS)**
  Knowledge, skills values, and attitudes (SKVAs) are assessed throughout the year using assessment instruments such as projects, tests, assignments, investigations, role-play and case studies. The internal continuous assessment (ICASS) practical component is undertaken in a real workplace, a workshop or a “Structured Environment”. This component is moderated internally and externally quality assured by Umalusi. All internal continuous assessment (ICASS) evidence is kept in a Portfolio of Evidence (PoE) and must be readily available for monitoring, moderation and verification purposes.

2.2 **External summative assessment (ESASS)**
  The external summative assessment is either a single or a set of written papers set to the requirements of the Subject Learning Outcomes. The Department of Education administers the theoretical component according to relevant assessment policies.
A compulsory component of external summative assessment (ESASS) is the **integrated summative assessment task (ISAT)**. This assessment task draws on the students’ cumulative learning throughout the year. The task requires **integrated application of competence** and is executed under strict assessment conditions. The task should take place in a simulated or “Structured Environment”. The integrated summative assessment task (ISAT) is the most significant test of students’ ability to apply their acquired knowledge.

The integrated assessment approach allows students to be assessed in more than one subject with the same integrated summative assessment task (ISAT).

External summative assessments will be conducted annually between October and December, with provision made for supplementary sittings.

### 3 MODERATION OF ASSESSMENT

#### 3.1 Internal moderation

Assessment must be moderated according to the internal moderation policy of the Further Education and Training (FET) college. Internal college moderation is a continuous process. The moderator's involvement starts with the planning of assessment methods and instruments and follows with continuous collaboration with and support to the assessors. Internal moderation creates common understanding of Assessment Standards and maintains these across vocational programmes.

#### 3.2 External moderation

External moderation is conducted by the Department of Education, Umalusi and, where relevant, an Education and Training Quality Assurance (ETQA) body according to South African Qualifications Authority (SAQA) and Umalusi standards and requirements.

The external moderator:

- monitors and evaluates the standard of all summative assessments;
- maintains standards by exercising appropriate influence and control over assessors;
- ensures proper procedures are followed;
- ensures summative integrated assessments are correctly administered;
- observes a minimum sample of ten (10) to twenty-five (25) percent of summative assessments;
- gives written feedback to the relevant quality assuror; and
- moderates in case of a dispute between an assessor and a student.

Policy on inclusive education requires that assessment procedures for students who experience barriers to learning be customised and supported to enable these students to achieve their maximum potential.

### 4 PERIOD OF VALIDITY OF INTERNAL CONTINUOUS ASSESSMENT (ICASS)

The period of validity of the internal continuous assessment mark is determined by the **National Policy on the Conduct, Administration and Management of the Assessment of the National Certificates (Vocational)**.

The internal continuous assessment (ICASS) must be re-submitted with each examination enrolment for which it constitutes a component.

### 5 ASSESSOR REQUIREMENTS

Assessors must be subject specialists and should ideally be declared competent against the standards set by the ETDP SETA. If the lecturer conducting the assessments has not been declared a competent assessor, an assessor who has been declared competent may be appointed to oversee the assessment process to ensure the quality and integrity of assessments.

### 6 TYPES OF ASSESSMENT

Assessment benefits the student and the lecturer. It informs students about their progress and helps lecturers make informed decisions at different stages of the learning process. Depending on the intended purpose, different types of assessment can be used.
6.1 Baseline assessment
At the beginning of a level or learning experience, baseline assessment establishes the knowledge, skills, values and attitudes (SKVAs) that students bring to the classroom. This knowledge assists lecturers to plan learning programmes and learning activities.

6.2 Diagnostic assessment
This assessment diagnoses the nature and causes of learning barriers experienced by specific students. It is followed by guidance, appropriate support and intervention strategies. This type of assessment is useful to make referrals for students requiring specialist help.

6.3 Formative assessment
This assessment monitors and supports teaching and learning. It determines student strengths and weaknesses and provides feedback on progress. It determines if a student is ready for summative assessment.

6.4 Summative assessment
This type of assessment gives an overall picture of student progress at a given time. It determines whether the student is sufficiently competent to progress to the next level.

7 PLANNING ASSESSMENT
An assessment plan should cover three main processes:

7.1 Collecting evidence
The assessment plan indicates which Subject Outcomes and Assessment Standards will be assessed, what assessment method or activity will be used and when this assessment will be conducted.

7.2 Recording
Recording refers to the assessment instruments or tools with which the assessment will be captured or recorded. Therefore, appropriate assessment instruments must be developed or adapted.

7.3 Reporting
All the evidence is put together in a report to deliver a decision for the subject.

8 METHODS OF ASSESSMENT
Methods of assessment refer to who carries out the assessment and includes lecturer assessment, self-assessment, peer assessment and group assessment.

<table>
<thead>
<tr>
<th>LECTURER ASSESSMENT</th>
<th>The lecturer assesses students’ performance against given criteria in different contexts, such as individual work, group work, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELF-ASSESSMENT</td>
<td>Students assess their own performance against given criteria in different contexts, such as individual work, group work, etc.</td>
</tr>
<tr>
<td>PEER ASSESSMENT</td>
<td>Students assess another student or group of students’ performance against given criteria in different contexts, such as individual work, group work, etc.</td>
</tr>
<tr>
<td>GROUP ASSESSMENT</td>
<td>Students assess the individual performance of other students within a group or the overall performance of a group of students against given criteria.</td>
</tr>
</tbody>
</table>

9 INSTRUMENTS AND TOOLS FOR COLLECTING EVIDENCE
All evidence collected for assessment purposes is kept or recorded in the student’s Portfolio of Evidence (PoE).

The following table summarises a variety of methods and instruments for collecting evidence. A method and instrument is chosen to give students ample opportunity to demonstrate the Subject Outcome has been attained. This will only be possible if the chosen methods and instruments are appropriate for the target group and the Specific Outcome being assessed.
### 10 TOOLS FOR ASSESSING STUDENT PERFORMANCE

**Rating scales** are marking systems where a symbol (such as 1 to 7) or a mark (such as 5/10 or 50%) is defined in detail. The detail is as important as the coded score. Traditional marking, assessment and evaluation mostly used rating scales without details such as what was right or wrong, weak or strong, etc.

**Task lists** and **checklists** show the student what needs to be done. They consist of short statements describing the expected performance in a particular task. The statements on the checklist can be ticked off when the student has adequately achieved the criterion. Checklists and task lists are useful in peer or group assessment activities.

**Rubrics** are a hierarchy (graded levels) of criteria with benchmarks that describe the minimum level of acceptable performance or achievement for each criterion. It is a different way of assessment and cannot be compared to tests. Each criterion described in the rubric must be assessed separately. Mainly, two types of rubrics, namely holistic and analytical, are used.

### 11 SELECTING AND/OR DESIGNING RECORDING AND REPORTING SYSTEMS

The selection or design of recording and reporting systems depends on the purpose of recording and reporting student achievement. **Why** particular information is recorded and **how** it is recorded determine which instrument will be used.

Computer-based systems, for example spreadsheets, are cost and time effective. The recording system should be user-friendly and information should be easily accessed and retrieved.

### 12 COMPETENCE DESCRIPTIONS

All assessment should award marks to evaluate specific assessment tasks. However, marks should be awarded against rubrics and not simply be a total of ticks for right answers. Rubrics should explain the competence level descriptors for the skills, knowledge, values and attitudes (SKVAs) a student must demonstrate to achieve each level of the rating scale.

When lecturers or assessors prepare an assessment task or question, they must ensure that the task or question addresses an aspect of a Subject Outcome. The relevant Assessment Standard must be used to create the rubric to assess the task or question. The descriptions must clearly indicate the minimum level of attainment for each category on the rating scale.

### METHODS FOR COLLECTING EVIDENCE

<table>
<thead>
<tr>
<th></th>
<th>Observation-based (Less structured)</th>
<th>Task-based (Structured)</th>
<th>Test-based (More structured)</th>
</tr>
</thead>
</table>
| **Assessment instruments** | Observation  
Class questions  
Lecturer, student, parent discussions | Assignments or tasks  
Projects  
Investigations or research  
Case studies  
Practical exercises  
Demonstrations  
Role-play  
Interviews | Examinations  
Class tests  
Practical examinations  
Oral tests  
Open-book tests |
| **Assessment tools** | Observation sheets  
Lecturer's notes  
Comments | Checklists  
Rating scales  
Rubrics | Marks (e.g. %)  
Rating scales (1-7) |
| **Evidence** | Focus on individual students  
Subjective evidence based on lecturer observations and impressions | Open middle: Students produce the same evidence but in different ways.  
Open end: Students use same process to achieve different results. | Students answer the same questions in the same way, within the same time. |
13 STRATEGIES FOR COLLECTING EVIDENCE

A number of different assessment instruments may be used to collect and record evidence. Examples of instruments that can be (adapted and) used in the classroom include:

13.1 Record sheets

The lecturer observes students working in a group. These observations are recorded in a summary table at the end of each project. The lecturer can design a record sheet to observe students’ interactive and problem-solving skills, attitudes towards group work and involvement in a group activity.

13.2 Checklists

Checklists should have clear categories to ensure that the objectives are effectively met. The categories should describe how the activities are evaluated and against what criteria they are evaluated. Space for comments is essential.

SECTION C: ASSESSMENT IN PLANT PRODUCTION AND ADVANCED PLANT PRODUCTION

1 SCHEDULE OF ASSESSMENT

At NQF levels 2, 3 and 4, lecturers will conduct assessments as well as develop a schedule of formal assessments that will be undertaken in the year. All three levels also have an external examination that accounts for 50 percent of the total mark. The marks allocated to assessment tasks completed during the year, kept or recorded in a Portfolio of Evidence (PoE) account for the other 50 percent.

The Portfolio of Evidence (PoE) and the external assessment include practical and written components. The practical assessment in Plant Production and Advanced Plant Production must, where necessary, be subjected to external moderation by Umalusi or an appropriate Education and Training Quality Assurance (ETQA) body, appointed by the Umalusi Council in terms of Section 28(2) of the General and Further Education and Training Quality Assurance Act, 2001 (Act No. 58 of 2001).

2 RECORDING AND REPORTING

Plant Production and Advanced Plant Production, as is the case for all the other Vocational subjects, is assessed according to five levels of competence. The level descriptions are explained in the following table.

### Scale of Achievement for the Vocational component

<table>
<thead>
<tr>
<th>RATING CODE</th>
<th>RATING</th>
<th>MARKS %</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Outstanding</td>
<td>80-100</td>
</tr>
<tr>
<td>4</td>
<td>Highly competent</td>
<td>70-79</td>
</tr>
<tr>
<td>3</td>
<td>Competent</td>
<td>50-69</td>
</tr>
<tr>
<td>2</td>
<td>Not yet competent</td>
<td>40-49</td>
</tr>
<tr>
<td>1</td>
<td>Not achieved</td>
<td>0-39</td>
</tr>
</tbody>
</table>

The programme of assessment should be recorded in the Lecturer’s Portfolio of Assessment for each subject. The following should at least be included in the Lecturer’s Assessment Portfolio:

- A contents page
- The formal schedule of assessment
- The requirements for each assessment task
- The tools used for each assessment task
- Recording instrument(s) for each assessment task
- A mark sheet and report for each assessment task

The college must standardise these documents.

The student’s Portfolio of Evidence (PoE) must at least include:

- A contents page
- The assessment tasks according to the assessment schedule
The assessment tools or instruments for the task
- A record of the marks (and comments) achieved for each task

Where tasks cannot be contained as evidence in the Portfolio of Evidence (PoE), its exact location must be recorded and it must be readily available for moderation purposes.

The following guides internal assessment in Plant Production.

<table>
<thead>
<tr>
<th>NUMBER OF UNITS</th>
<th>ASSESSMENT</th>
<th>COVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Formal written test</td>
<td>Covers Plant Anatomy and Physiology</td>
</tr>
<tr>
<td>1</td>
<td>Formal written test</td>
<td>Covers Vegetable Production</td>
</tr>
<tr>
<td>1</td>
<td>Internal written exam</td>
<td>All completed topics</td>
</tr>
</tbody>
</table>
| 3               | Practical assessments       | • Vegetable Production: A practical project on growing vegetables from planting to harvesting
  ▪ The project must cover soil preparation, planting, fertiliser applications, watering, weed, pest and disease control and harvesting.
  ▪ Students keep a journal on growing a particular vegetable from soil preparation to harvesting. It must cover all aspects of vegetable production. |
ASSESSMENT OF PLANT PRODUCTION

LEVEL 2
3  INTERNAL ASSESSMENT OF SUBJECT OUTCOMES IN PLANT PRODUCTION – LEVEL 2

Topic 1: Plant Anatomy and Physiology

<table>
<thead>
<tr>
<th>SUBJECT OUTCOME</th>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOMES</th>
</tr>
</thead>
</table>
| Describe the morphology and physiology of plants to acquire a good understanding of the processes of respiration and nutrient and water uptake and transport by photosynthesis, flowering and seeds-set in plants. | Physiology and morphology of plants is described using examples. 
RANGE: Morphology and physiology of plants includes differences between monocotyledonous and dicotyledonous plants but does not include differences between their vascular systems and metabolisms. | Identify the macroscopic and microscopic parts of a plant. 
Explain the role each part plays in the plant. 
Define physiology, morphology, photosynthesis and respiration. 
Explain the process of photosynthesis and respiration in general terms. 
Discuss the plant environment in terms of climatic requirements, season, aspect, light, temperature and water. 
Explain the interrelationships between the above concepts. |

ASSESSMENT ACTIVITIES OR TASKS

- Assignments: Students choose one plant, identify its organs (internal and external), explain their functions in the life of the plant and explain how the functions relate to each other.
- Practical activity: Students collect different external parts of a plant from the field, attach the parts to a chart and label the function of each part.
- Experiment on the internal organs of a plant
- Experiment on photosynthesis and respiration

<table>
<thead>
<tr>
<th>SUBJECT OUTCOME</th>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOMES</th>
</tr>
</thead>
</table>
| Describe the impact of morphology and physiology on plant reproduction, crop yield and on-farm storage to evaluate and assess all procedures and techniques of soil preparation, planting, growing, harvesting and post harvest on-farm storage. | The impact of morphology and physiology on plant reproduction is described. | Explain how plants reproduce from pollination to fruit growth and set. 
Explain how morphology and physiology impact on plant reproduction. 
Explain how morphology and physiology impact on crop yield and include yield measurement per unit area. |

ASSESSMENT ACTIVITIES OR TASKS

- Assignment on how pollination takes place
- Research on the functions of plant parts and their impact on the reproduction of plants

Topic 2: Vegetable Production

<table>
<thead>
<tr>
<th>SUBJECT OUTCOME</th>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOMES</th>
</tr>
</thead>
</table>
| Cultivate vegetables using appropriate procedures. | The practical cultivation of vegetables is undertaken following set procedures. | Establish what principles govern vegetable production. 
Select a crop suitable to the climatic and soil conditions. 
Prepare the soil following the requirements of the selected crop. |
### Plant Production

#### National Certificates (Vocational)

- Plant the crop according to set procedures (spacing, fertiliser application, watering, etc.)
- Monitor the development of the crop (pest and disease control, weed control, application of fertilisers, etc.) until harvest.
- Apply suitable post-harvest or on-farm storage procedures for crop.
- Examine (briefly) the production of vegetables in hydroponic systems, its benefits and drawbacks.

#### ASSESSMENT ACTIVITIES OR TASKS

- Class activity on a particular crop’s climatic and soil requirements
- A knowledge test on the spacing of a crop and its effect on growth and yield
- Case study on the importance of correct application of fertilisers in a vegetable field
- Practical activity on monitoring a crop from planting to harvesting (a practical project can be used)

#### SUBJECT OUTCOME

**Schedule and operate irrigation according to workplace conditions.**

<table>
<thead>
<tr>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irrigation is scheduled and operated according to workplace conditions.</td>
<td>Define irrigation and present the parameters that govern its use.</td>
</tr>
<tr>
<td></td>
<td>Identify and explain the different types of irrigation methods.</td>
</tr>
<tr>
<td></td>
<td>Select the irrigation method most suited to the identified crop.</td>
</tr>
<tr>
<td></td>
<td>Identify and explain the different elements of an irrigation schedule with special regard to its timing and the movement of equipment.</td>
</tr>
<tr>
<td></td>
<td>Develop an irrigation schedule for the workplace.</td>
</tr>
<tr>
<td></td>
<td>Use the schedule designed to operate the irrigation.</td>
</tr>
</tbody>
</table>

#### ASSESSMENT ACTIVITIES OR TASKS

- Class activity on comparing different irrigation methods (done on a chart and put on the wall)
- Class activity on advantages and disadvantages of irrigation methods (use the same chart)
- Assignment on operating at least three types of irrigation
- Practical activity on operating an indoor irrigation system

#### SUBJECT OUTCOME

**List and describe, with examples, methods of weed control.**

<table>
<thead>
<tr>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methods of weed control are listed and described with examples.</td>
<td>Define weed and weed control.</td>
</tr>
<tr>
<td></td>
<td>Explain the importance of weed control.</td>
</tr>
<tr>
<td></td>
<td>Explain the different types of weed and weed control.</td>
</tr>
<tr>
<td></td>
<td>Provide examples of weeds and weed control.</td>
</tr>
</tbody>
</table>

#### ASSESSMENT ACTIVITIES OR TASKS

- Formal tests on weed science
- Practical activity on farm

#### SUBJECT OUTCOME

**Investigate pests and diseases affecting crops.**

<table>
<thead>
<tr>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pest and diseases affecting crops are investigated to maximise yield.</td>
<td>Define the concept pest in terms of plant production.</td>
</tr>
<tr>
<td></td>
<td>Identify disease in terms of plant production.</td>
</tr>
<tr>
<td></td>
<td>Identify and explain pests and diseases that affect crops.</td>
</tr>
</tbody>
</table>

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Department of Education
### ASSESSMENT ACTIVITIES OR TASKS

- Explain how pests and diseases that affect crops can be controlled.
- Case studies and tests on pests and diseases

### SUBJECT OUTCOME

**Carry out proper harvesting and storage and explain principles.**

<table>
<thead>
<tr>
<th>ASSESSMENT STANDARD</th>
<th>LEARNING OUTCOMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper harvesting is explained and carried out.</td>
<td>Explain different harvesting methods using examples.</td>
</tr>
<tr>
<td></td>
<td>Compare and contrast various harvesting methods.</td>
</tr>
<tr>
<td></td>
<td>Practise different harvesting methods.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ASSESSMENT ACTIVITIES OR TASKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formal tests</td>
</tr>
<tr>
<td>Written assignment in conjunction with practical activity on harvesting at farm</td>
</tr>
</tbody>
</table>

### 4 SPECIFICATION FOR EXTERNAL ASSESSMENT IN PLANT PRODUCTION – LEVEL 2

#### 4.1 Integrated summative assessment task (ISAT)

A compulsory component of the external assessment (ESASS) is the **integrated summative assessment task (ISAT)**. The integrated summative assessment task (ISAT) draws on the students’ cumulative learning achieved throughout the year. The task requires **integrated application of competence** and is executed and recorded in compliance with assessment conditions.

Two approaches to the integrated summative assessment task (ISAT) may be as follows:

- The students are assigned a task, for example grow vegetables, at the beginning of the year which they have to complete in various phases in the year to obtain an assessment mark. The final assessment is made at the end of the year on completion of the task (Project).

  **OR**

- Students achieve the competencies throughout the year but the competencies are assessed cumulatively in a single assessment or examination session at the end of the year.

The integrated summative assessment task (ISAT) is set by an externally appointed examiner and is conveyed to colleges in the first quarter of the year.

The integrated assessment approach enables students to be assessed in more than one subject with the same integrated summative assessment task (ISAT).

#### 4.2 National Examination

A National Examination is conducted annually in October or November by means of a paper(s) set and moderated externally. The following distribution of cognitive application should be followed:

<table>
<thead>
<tr>
<th>LEVEL 2</th>
<th>KNOWLEDGE AND COMPREHENSION</th>
<th>APPLICATION</th>
<th>ANALYSIS, SYNTHESIS AND EVALUATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40%</td>
<td>40%</td>
<td>20%</td>
</tr>
</tbody>
</table>